

# Recombinant Human CD44 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** CD44-5781H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	CD44 MS Standard C13 and N15-labeled recombinant protein (NP_000601) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	The protein encoded by this gene is a cell-surface glycoprotein involved in cell-cell interactions, cell adhesion and migration. It is a receptor for hyaluronic acid (HA) and can also interact with other ligands, such as osteopontin, collagens, and matrix metalloproteinases (MMPs). This protein participates in a wide variety of cellular functions including lymphocyte activation, recirculation and homing, hematopoiesis, and tumor metastasis. Transcripts for this gene undergo complex alternative splicing that results in many functionally distinct isoforms, however, the full length nature of some of these variants has not been determined. Alternative splicing is the basis for the structural and functional diversity of this protein, and may be related to tumor metastasis.
<b>Molecular Mass</b>	81.54 kDa
<b>AA Sequence</b>	MDKFWWHAAWGLCLVPLSLAQIDLNITCRFAGVFHVEKNGRYSISRTEAADLCKAF NSTLPTMAQMEKALSIGFETCRYGFIEGHVVIPRIHPNSICAANNTGVYILTSNTSQYD TYCFNASAPPEEDCTSVTDLPNAFDGPITITIVNRDGTRYVQKGEYRTNPEDIYPSNP

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

TDDDVS SSGSSSERSSTSGGYIFYTFSTVHPIPEDSPWITDSTDRIPATTL MSTSATA  
TETATKRQETWDWFSWFLPSESKNHLHTTTQMAGTSSNTISAGWEPNEENER  
DRHLSFSGSGIDDED FISSTISTTPRAFDHTKQNQDWTQWNPSHSNPEVLLQTTTR  
MTDVRNGTTAYEGNWNPEAHPLIHHEHHEEEETPHSTSTIQATPSSTTEETATQ  
KEQWFGNRWHEGYRQTPKEDSHSTTG TAAASAHTSHPMQGRTPSPEDSSWTF  
FNPISHPMGRGHQAGRRMDMDSSHSITLQPTANPNTGLVEDLDRTGPLSMTTQQS  
NSQSFSTSHEGLEEDKDHP TTTSTLTSSNRNDVTGGRRDPNHSEGSTTLLEGYTSHY  
PHTKESRTFIPVTS AKTGSFGVTAVTVGDSNSNVNRSLSGDQDTFHPSGGSHHTHG  
SESDGSHSGSQEGGANTTSGPIRTPQIPEWLILASLLALALILAVCIAVNSRRRCGQK  
KKLVINSGNGAVEDRKP SGLNGEASKSQEMVHLVNKESSETPDQFMTADETRNLQ  
NVDMKIGVTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** CD44 CD44 molecule (Indian blood group) [ Homo sapiens (human) ]

**Official Symbol** CD44

**Synonyms** CD44; CD44 molecule (Indian blood group); CD44 antigen (homing function and Indian blood group system), MDU2, MDU3, MIC4; CD44 antigen; CD44R; chondroitin

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

sulfate proteoglycan 8; CSPG8; HCELL; hematopoietic cell E and L selectin ligand; IN; MC56; Pgp1; epican; Hermes antigen; hyaluronate receptor; phagocytic glycoprotein 1; heparan sulfate proteoglycan; cell surface glycoprotein CD44; extracellular matrix receptor III; GP90 lymphocyte homing/adhesion receptor; hematopoietic cell E- and L-selectin ligand; homing function and Indian blood group system; LHR; MDU2; MDU3; MIC4; CDW44; HUTCH-I; ECMR-III; MGC10468;

**Gene ID** 960

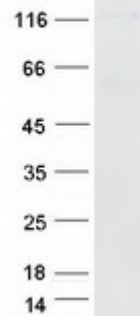
**mRNA Refseq** NM\_000610

**Protein Refseq** NP\_000601

**MIM** 107269

**UniProt ID** P16070

**SDS-PAGE**



 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA